



# CALIFORNIA WATER BOARD

California State Government - equal opportunity to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age or sexual orientation. It is an objective of the State of California to achieve a drug-free state work place. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

## INTERNET EXAMINATION ANNOUNCEMENT WATER RESOURCE CONTROL ENGINEER

OPEN - STATEWIDE

CONTINUOUS TESTING

This examination is administered by the State Personnel Board utilizing the Internet. A candidate may be tested only once within a 12-month period.

### HOW TO APPLY

The Application and the Training and Experience Evaluation will be available on a continuous basis on the Internet. Applicants will respond to questions regarding their ability to meet minimum qualifications as well as provide their contact information and take the Training and Experience Evaluation on the Internet.

DO NOT SUBMIT A STATE APPLICATION FORM. THE APPLICATION FORM FOR THE WATER RESOURCE CONTROL ENGINEER, STATE WATER RESOURCES CONTROL BOARD IS CONTAINED IN THE INTERNET PROCESS.

If you do not have Internet access, there are public access Internet terminals in over 150 California public libraries. Contact your local library for information as to where the nearest Internet terminal is located and the policies related to usage. DO NOT contact the State Personnel Board or the State Water Resources Control Board for this information. The State Personnel Board and the State Water Resources Control Board do not maintain an up-to-date list of library locations. The State Personnel Board Service Center does have Internet terminals that are available for public use at no cost. For more information, contact the Service Center at (916) 653-1705.

If you are not familiar with the Internet, you may have a friend or family member assist you. You may apply and take the examination on the Internet by connecting to:

<https://forms.spb.ca.gov/wrce/index.cfm?exam=WRCE&CFID=1689363&CFTOKEN=55323228> and following the on-line instructions. Please note that the Internet system will be unavailable on Tuesday, between 8:00 a.m. and 4:00 p.m., Pacific Standard Time for processing and maintenance. DO NOT begin the application process on the Internet during this time, as your record will NOT be processed. It takes approximately 2 hours to complete the Application and the Training and Experience Evaluation on the Internet. If you begin the examination before 8:00 a.m., be sure to allow sufficient time to complete the examination.

### EXAMINATION INFORMATION

**INTERVIEWS WILL NOT BE HELD.** This examination will consist of the Internet examination weighted 100%. A written test is only required when the candidate did not graduate from an accredited institution in the United States. The Institution needs to be accredited by the Accreditation Board for Engineering and Technology. To obtain a position on the eligible list, applicants must achieve a minimum rating of 70% on the Internet examination.

If the candidate did not graduate from an accredited institution in the United States, a written examination will be scheduled at a later date. The written test is pass/fail.

### SCOPE of WRITTEN TEST:

#### A. Knowledge of:

1. Sanitary and water quality engineering.

### Written test waiver for future examinations

It is anticipated that a passing score once achieved on the Water Resource Control Engineer written test will be good for five years. Success in the written test will permit competition in future examinations for this class during this five year period without retaking the written test.

### SALARY RANGES:

Water Resource Control Engineer Rg. A \$3,574 - \$4,136

Water Resource Control Engineer Rg. B \$4,091 - \$4,969

Water Resource Control Engineer Rg. C \$4,876 - \$5,925

Water Resource Control Engineer Rg. D \$5,135 - \$6,239

### Range A:

This range shall apply to incumbents who do not meet the criteria for payment in Range B, C, or D.

### Range B:

This range shall apply to incumbents who have either:

1. Demonstrated at least satisfactory performance as a Water Resource Control Engineer, Range A in California state service for one year; or
2. Who possess a Master's Degree in Engineering with a specialization in environmental engineering, water resources, sanitary or related engineering option. (Candidates who are pursuing graduate work toward a master's degree must receive the degree before they will be considered eligible for appointment to this range.) or
3. Two years of professional experience in water quality engineering, or environmental engineering comparable in level, duties, and responsibilities to a Water Resources Control Engineer, Range A.

### Range C:

This range shall apply to incumbents who have:

1. Demonstrated at least satisfactory performance, as a Water Resources Control Engineer, Range B, in California state service for two years, or
2. Three years of professional experience in water quality engineering, or environmental engineering comparable in levels, duties, and responsibilities to a Water Resources Control Engineer, Range B.

### Range D:

This range shall apply to incumbents who meet the requirements for Range C and possess a valid certificate of registration as a civil or professional engineer issued by the California State Board of Registration for Professional Engineers.

**MINIMUM QUALIFICATIONS - REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION**

**EDUCATION:** Equivalent to graduation from college with a bachelors or advanced degree from a college/university accredited by the Accreditation Board for Engineering and Technology with major work in environmental, chemical, mechanical, sanitary, agricultural, geotechnical, civil engineering, or a related engineering discipline. (If the Accreditation Board accredits any engineering curriculum for Engineering in the institution from which the degree is earned, all engineering curricula from that institution will be considered accredited.)

Possession of equivalent qualifications may be demonstrated by graduation from an unaccredited curriculum in any of the above specialized engineering fields which includes the basic engineering courses normally covered in a standard four-year course, and by qualifying in a written examination covering water quality control engineering. (Registration as a Senior or graduate student in any of the above specialized engineering fields will admit the applicant to the examination, but they must produce evidence of graduation before they will be considered eligible for appointment.)

**ONLY CANDIDATES WHO DID NOT GRADUATE FROM AN ACCREDITED INSTITUTION IN THE UNITED STATES WILL SCHEDULED FOR A WRITTEN EXAMINATION.**

**THE POSITION**

The Water Resource Control Engineer is the entry through journey levels of the series. Incumbents move through the ranges as competency and performance increases.

**Range A** is the entry and first working level in the class. Under close supervision, incumbents perform less difficult professional water quality control or water rights-related engineering work.

**Range B** is the intermediate working level. Under general supervision, incumbents perform professional water quality control or water rights-related engineering work of average difficulty.

**Range C** is the full (nonregistered) journey level in the class. Under direction, incumbents perform difficult professional water quality control or water rights-related engineering work. They may act as lead workers on projects of least to more difficult in complexity or be assigned staff specialist responsibilities in support of project managers or other technical or programmatic functions.

**Range D** is the full (registered) journey level in the class. Under direction, incumbents perform difficult professional water quality control or water rights-related engineering work. They may act as lead workers on more complex projects or be assigned technical staff responsibilities in support of project managers or other technical or programmatic functions. This level may be used in a lead capacity over other Water Resource Control Engineers or other professional or technical employees. Range D requires possession of a valid certificate of registration as a civil or professional engineer issued by the California State Board of Professional Engineers.

Vacancies are anticipated at the State Water Resources Control Board in Sacramento and at the Regional Water Quality Control Boards in various locations throughout the State.

**INTERNET TRAINING AND EXPERIENCE READINESS EVALUATION - WEIGHTED 100%**

Scope of Internet Examination:

**A. Knowledge of:**

1. Principles of water quality control, water rights, and water resource management.
2. Environmental, chemical, civil, agricultural, geotechnical, and sanitary engineering relating to the treatment and disposal of sewage and industrial and other wastes.
3. Design and construction of water and waste water facilities.
4. Physical, biological, and chemical factors relating to the control of water pollution and the management of surface and groundwater.

**B. Ability to:**

1. Evaluate cases of water quality degradation and pollution or nuisance conditions and make recommendations for their elimination and control.
2. Prepare, review, check or interpret engineering reports, plans, estimates and specifications for varied water and waste water control facilities.
3. Conduct and/or have lead responsibilities over monitoring and surveillance activities.
4. Assist in conducting water quality and water rights oriented studies, and assist in the preparation of water quality control plans.
5. Dictate correspondence and prepare engineering reports.
6. Analyze situations accurately and adopt an effective course of action.
7. Establish and maintain cooperative relations with those contacted in the course of work.
8. Communicate effectively.
9. Interpret and apply the rules, regulations, and requirements of the State Water Resources Control Board and Regional Water Quality Control Boards.

**ELIGIBLE LIST:**

Names of successful competitors are merged into the list in order of final scores, regardless of date. Eligibility expires after 12 months.

**VETERANS' PREFERENCE credits will be added to the final score of all competitors in this examination who qualify for, and have requested these points and who are successful in this examination. Due to changes in the law, which was effective January 1, 1996. VETERANS WHO ACHIEVE PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS' CREDITS.**

**QUESTIONS: IF YOU HAVE ANY QUESTIONS, CONCERNING THIS ANNOUNCEMENT OR THE PROCESS, PLEASE CONTACT THE STATE WATER RESOURCES CONTROL BOARD, EXAMINATION UNIT, AT (916) 341-5127.**